MARITIME ADMINISTRATION
FY-99 5-YEAR IT PLAN
EXECUTIVE SUMMARY

The Maritime Administration (MARAD) has the primary federal responsibility for ensuring the availability of efficient waterborne transportation services and support to American shippers and consumers and maintains the nation's reserve shipping capacity for use in time of national emergency. MARAD information technology initiatives are directed towards meeting the goals outlined in the MARAD and DOT Strategic Plans. Those initiatives support the agency's core business functions and five major program areas: the national security program for maintaining the nation's reserve shipping capacity; the manpower program for developing and supporting U.S. fleet labor resources; the financial assistance programs that provide low cost capital and subsidies to support new ship construction and existing fleet operations; the domestic shipping programs that support development of port and intermodal capabilities and the protection of the domestic water way environment, and the ship construction support programs to support the nation's shipbuilding capability.

Accomplishments in FY 1998

Standardized IT Architecture
MARAD has established a standardized architecture for its local area network (LAN) infrastructure and implemented a standardized PC architecture throughout MARAD in FY 1998. The new architecture includes Dell Pentium-based client PC's, the Windows NT network operating system, and the Microsoft Office applications S/W suite.

Year 2000 Renovation
MARAD completely renovated all its non-compliant PC's and application systems in FY1998.

Network Upgrades
Windows NT was established as the network operating system and implemented throughout MARAD in FY 1998.

Web Site Enhancements
MARAD made minor cosmetic enhancements to its web pages in FY 1998.

Key IT Goals
During FY 1999 MARAD will complete its migration to the standardized network architecture, to include:

> All new Pentium II based servers;
> A new communications server (Cabletron);
> All new Cabletron hubs;
> Cisco routers;
> 3-Com Fast Ethernet cards.

During FY 1999, MARAD will complete its Year 2000 renovation by:
  Verifying and validating any renovated applications systems software not already completed;
  Completing the standardization of its network architecture (see above).

During FY 1999 MARAD plans to develop and implement its first web-enabled application.

Critical IT Investments
Critical IT investments for FY 1999 and beyond include:

  Continue review of all MARAD hardware, software and applications to ensure Y2K compliance;
  Implement contingency plans and procedures for possible systems failure due to Y2K date function error;
  Review contingency and disaster recovery plans for the Division of Information Resources Management (DIRM) in support of MARAD;
  Implement contingency and disaster recovery procedures for DIRM;
  Standardize the configuration of all platforms across user departments and regional offices;
  Establish new change control and configuration management procedures;
  Upgrade communications capabilities between MARAD headquarters and field operations;
  Initiate implementation of web-based (internet) applications and technology across all user departments;
  Enhance current web applications, including existing web pages for all MARAD offices;
  Establish common databases on the servers and coordinate requirements for common data among all user departments to ensure data compatibility;
  Streamline policies and procedures for information technology (IT) support within MARAD;
  Generate and maintain comprehensive system and user documentation.

FY-99 5-YEAR IT PLAN

INITIATIVE ID: MARAD001   **OA:** MARAD

ORGANIZATION/ENTITY (OA OFFICE SYMBOL - PHONE BOOK CODE): MAR-319

TITLE OF PROGRAM/PROJECT:
MARAD Information Technology Support

TOTAL LIFE CYCLE COST (IN $000): $25,000

DESCRIPTION:
This project covers all operational support requirements for data communications, network operations, applications development and maintenance, telecommunications services and user help services. It includes operational support for three MARAD regional offices and MARAD headquarters. It also includes support services for MARAD's wide are network (WAN) and local area network (LAN) facilities. The funding is needed, primarely, for contractor support services in support of the above-listed functions.

JUSTIFICATION - PERFORMANCE AND SAVINGS:
The services are essential to support all MARAD operations, both at headquarters and field offices. Without the services provided MARAD could not support its information technology infrastructure.

CONTACT PERSON AND PHONE NUMBER: Tom Burke (202) 366-4175

CONTRACT STRATEGY:
8-a restricted competition

INITIATIVE ID: MARAD002   **OA:** MARAD

ORGANIZATION/ENTITY (OA OFFICE SYMBOL - PHONE BOOK CODE):   MAR-319

TITLE OF PROGRAM/PROJECT:
Year 2000 Renovation

TOTAL LIFE CYCLE COST (IN $000): $1,900

DESCRIPTION:
Year 2000 renovations, including renovation of all applications systems code, upgrading of all desktop operating systems, network operating systems, and PC and server hardware to be compliant with year 2000 renovations requirements.

JUSTIFICATION - PERFORMANCE AND SAVINGS:
Without year 2000 renovations, MARAD systems and infrastructure could cease to function properly when the millenium date change occurs on Jan.1, 2000.

CONTACT PERSON AND PHONE NUMBER: Kathy Thomas (202) 366-4181

CONTRACT STRATEGY:
8-a sole source